

From: [PETERSON Jenn L](#)
To: [Robert W. Gensemer](#); [Burt Shephard/R10/USEPA/US@EPA](#)
Cc: [Joe Goulet/R10/USEPA/US@EPA](#); [Carrie A. Smith](#); [Eric Blischke/R10/USEPA/US@EPA](#)
Subject: RE: Inconsistencies noted in seep pathways
Date: 02/07/2008 08:05 PM

I was under the impression from our call that we would have to add localized fish (e.g. sculpin) as complete pathways to the CSM because of the "confluence of tributaries" definition. This would be in addition to "benthic invertebrates, amphibians, sandpiper, and aquatic plants" as noted below.

I will provide seep weights for and WOE and add a row for sculpin. Other parts of the document may need to be changed to be consistent with this. If you don't agree, let me know - however, I think we would have to change the definition in the CSM.

-Jennifer

-----Original Message-----

From: Robert W. Gensemer [mailto:rgensemer@parametrix.com]
Sent: Thursday, February 07, 2008 3:26 PM
To: Shephard.Burt@epamail.epa.gov; PETERSON Jenn L
Cc: Goulet.Joe@epamail.epa.gov; [Carrie A. Smith](mailto:Carrie.A.Smith@epamail.epa.gov); Blischke.Eric@epamail.epa.gov
Subject: Inconsistencies noted in seep pathways
Importance: High

Burt and Jennifer: As you guys are working on the exposure table, Carrie and I need to make you aware of inconsistencies we've noted with how seeps have been handled throughout the different problem formulation pieces.

1. As indicated in the CSM figure, seeps are a complete pathway only for benthic invertebrates, amphibians, sandpiper, and aquatic plants.
2. WOE framework now consistent with the CSM, but Jennifer needs to provide guidance on exposure scores--I'm not familiar with seep data enough (or at all) to do this.
3. Seeps are NOT mentioned at all in either the assessment endpoint table, OR any of the text in the assessment endpoint section of the PF
4. Seeps are mentioned in the EXPOSURE tables, but they are NOT consistent with the CSM as indicated above.

Please advise how you would like us to proceed. We'll leave the AE table and text alone for now until this is resolved. If you want to add seeps into the AE table and text, this will take some time to do cleanly and consistently, FYI.

-Bob

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